

Index of Authors

VOLUME 88, 1993 (Evoked Potentials)

(Abstracts from Society Proceedings are not included)

- Adams, C.M., see Law, S.K. (88) 309
 Adams, H.-P., see Krieger, D. (88) 261
 Agbo, C., see Gil, R. (88) 182
 Ahlfors, S.P., Ilmoniemi, R.J. and Portin, K.
 The effect of stimulation rate on the signal-to-noise ratio of evoked responses (88) 339
 Akazawa, K., see Tobimatsu, S. (88) 12
 Allison, T., Begleiter, A., McCarthy, G., Roessler, E., Nobre, A.C. and Spencer, D.D.
 Electrophysiological studies of color processing in human visual cortex (88) 343
 Amantini, A., see Ragazzoni, A. (88) 335
 Arakawa, K., Peachey, N.S. and Clesia, G.G.
 Spatial frequency response functions obtained from cat visual evoked potentials (88) 143
 Aull, S., see Baumgartner, C. (88) 271
 Baldeweg, T., Gruzelić, J.H., Catalan, J., Pugh, K., Lovett, E., Riccio, M., Stygal, J., Irving, G., Catt, S. and Hawkins, D.
 Auditory and visual event-related potentials in a controlled investigation of HIV infection (88) 356
 Bamford, C.R.
 Dermatome somatosensory evoked potentials at the cervical, thoracic and lumbosacral levels (88) 432
 Baumgartner, C., Doppelbauer, A., Sutherling, W.W., Lindinger, G., Levesque, M.F., Aull, S., Zeitlhofer, J. and Deecke, L.
 Somatotopy of human hand somatosensory cortex as studied in scalp EEG (88) 271
 Becker, D.E., Yingling, C.D. and Fein, G.
 Identification of pain, intensity and P300 components in the pain evoked potential (88) 290
 Begleiter, A., see Allison, T. (88) 343
 Benecke, R., see Kunesch, E. (88) 459
 Beydoun, A., Morrow, T.J., Shen, J.F. and Casey, K.L.
 Variability of laser-evoked potentials: attention, arousal and lateralized differences (88) 173
 Blenner, J.L. and Yingling, C.D.
 Modality specificity of evoked potential augmenting/reducing (88) 131
 Böcker, K.B.E., Forget, R. and Brunia, C.H.M.
 The modulation of somatosensory evoked potentials during the foreperiod of a forewarned reaction time task (88) 105
 Bone, R.C., see Vesco, K.K. (88) 302
 Boyd, S.G., see Purves, A.M. (88) 118
 Boyd, S.G., see Towell, A.D. (88) 237
 Branston, N.M., see Liu, X. (88) 220
 Brivio, L., Grasso, R., Salvaggio, A. and Principi, N.
 Brain-stem auditory evoked potentials (BAEPs): maturation of interpeak latency I-V (IPL I-V) in the first years of life (88) 28
 Broussolle, E., see Mauguière, F. (88) 243
 Browne, J.K., see Seyal, M. (88) 20
 Brunia, C.H.M., see Böcker, K.B.E. (88) 105
 Brunko, E., see Mavrouidakis, N. (88) 240
 Brunko, E., see Vandesteene, A. (88) 77
 Bruyant, P., García-Larrea, L. and Mauguière, F.
 Target side and scalp topography of the somatosensory P300 (88) 468
 Burbaud, P., see Gil, R. (88) 182
 Burkhart, M.A. and Thomas, D.G.
 Event-related potential measures of attention in moderately depressed subjects (88) 42
 Carrell, T., see Kraus, N. (88) 123
 Carrell, T., see Sharma, A. (88) 64
 Casey, K.L., see Beydoun, A. (88) 173
 Catalan, J., see Baldeweg, T. (88) 356
 Catt, S., see Baldeweg, T. (88) 356
 Clesia, G.G., see Arakawa, K. (88) 143
 Chistyakov, A.V., see Soustiel, J.F. (88) 255
 Classen, J., see Kunesch, E. (88) 459
 Curran, T., Tucker, D.M., Kutas, M. and Posner, M.I.
 Topography of the N400: brain electrical activity reflecting semantic expectancy (88) 188
 Davis, K.L., see Faux, S.F. (88) 32
 Deecke, L., see Baumgartner, C. (88) 271
 Defevrimont, M., see Vandesteene, A. (88) 77
 Delbergh, X., see Mavrouidakis, N. (88) 240
 Deltenre, P. and Mansbach, A.L.
 A new descriptor of the dual character of the input-output behaviour of the cochlea, with implications for signal-to-noise ratio estimation of brain-stem auditory potentials evoked by alternating polarity clicks (88) 377
 Desmedt, J.E., Tomberg, C., Raspe, G. and Ducarme, D.
 Inadequacy of the average reference for identifying focal changes in EEG and evoked potential studies (88) 534
 Dobie, R.A. and Wilson, M.J.
 Objective response detection in the frequency domain (88) 516
 Don, M., see Ponton, C.W. (88) 478
 Doppelbauer, A., see Baumgartner, C. (88) 271
 Dumitru, D. and King, J.C.
 Far-field potential production by quadrupole generators in cylindrical volume conductors (88) 421
 Eckardt, M.J., see Law, S.K. (88) 309
 Eggermont, J.J., see Ponton, C.W. (88) 478
 Eimer, M.
 Spatial cuing, sensory gating and selective response preparation: an ERP study on visuo-spatial orienting (88) 408
 Elbert, T., see Pantev, C. (88) 389
 Elidan, J., see Li, G. (88) 225
 Eulitz, C., see Pantev, C. (88) 389

- Faux, S.F., McCarley, R.W., Nestor, P.G., Shenton, M.E., Pollak, S.D., Penhune, V., Mondrow, E., Marcy, B., Peterson, A., Horvath, T. and Davis, K.L.
P300 topographic asymmetries are present in unmedicated schizophrenics (88) 32
- Fein, G., see Becker, D.E. (88) 290
- Feinsod, M., see Soustiel, J.F. (88) 255
- Forget, R., see Böcker, K.B.E. (88) 105
- Froehlich, J. and Kaufman, D.I.
The pattern electroretinogram: N95 amplitudes in normal subjects and optic neuritis patients (88) 83
- Fujii, K., see Morioka, T. (88) 453
- Fukui, M., see Morioka, T. (88) 453
- Furlong, P.L., Wimalaratna, S. and Harding, G.F.A.
Augmented P22-N31 SEP component in a patient with a unilateral space occupying lesion (88) 72
- Gabor, A.J., see Seyal, M. (88) 20
- García-Larrea, L., see Bruyant, P. (88) 468
- Gil, R., Zai, L., Neau, J.P., Jonveaux, T., Agbo, C., Rosolacci, T., Burbaud, P. and Ingrand, P.
Event-related auditory evoked potentials and multiple sclerosis (88) 182
- Glinz, W., see Gütling, E. (88) 369
- Globus, H., see Yamaguchi, S. (88) 151
- Gonser, A., see Gütling, E. (88) 369
- Grasso, R., see Brivio, L. (88) 28
- Gruzelier, J.H., see Baldeweg, T. (88) 356
- Guilburd, J.N., see Soustiel, J.F. (88) 255
- Gütling, E., Gonser, A., Regard, M., Glinz, W. and Landis, T.
Dissociation of frontal and parietal components of somatosensory evoked potentials in severe head injury (88) 369
- Hacke, W., see Krieger, D. (88) 261
- Hafner, H., see Soustiel, J.F. (88) 255
- Hampson, S., see Pantev, C. (88) 389
- Harding, G.F.A., see Furlong, P.L. (88) 72
- Hashimoto, T., see Noachtar, S. (88) 435
- Hawkins, D., see Baldeweg, T. (88) 356
- Hoke, M., see Pantev, C. (88) 389
- Hori, A., Yasuhara, A., Naito, H. and Yasuhara, M.
Steady-state auditory evoked potentials (SSAEPs) in the rabbit. Contribution of the inferior colliculus (88) 229
- Horvath, T., see Faux, S.F. (88) 32
- Ilmoniemi, R.J., see Ahlfors, S.P. (88) 339
- Ingrand, P., see Gil, R. (88) 182
- Irving, G., see Baldeweg, T. (88) 356
- Isnard, J., see Mauguière, F. (88) 243
- Jewett, D.L., see Zhang, Z. (88) 1
- Jonveaux, T., see Gil, R. (88) 182
- Kai, C., see Ochikubo, F. (88) 397
- Kato, M., see Morioka, T. (88) 453
- Kato, M., see Tobimatsu, S. (88) 12
- Katsuta, T., see Morioka, T. (88) 453
- Kaufman, D.I., see Froehlich, J. (88) 83
- Kenemans, J.L., Kok, A. and Smulders, F.T.Y.
Event-related potentials to conjunctions of spatial frequency and orientation as a function of stimulus parameters and response requirements (88) 51
- King, J.C., see Dumitru, D. (88) 421
- Knecht, S., see Kunesch, E. (88) 459
- Knight, R.T., see Yamaguchi, S. (88) 151
- Kok, A., see Kenemans, J.L. (88) 51
- Kraus, N., McGee, T., Micco, A., Sharma, A., Carrell, T. and Nicol, T.
Mismatch negativity in school-age children to speech stimuli that are just perceptibly different (88) 123
- Kraus, N., see Sharma, A. (88) 64
- Krieger, D., Adams, H.-P., Rieke, K. and Hacke, W.
Monitoring therapeutic efficacy of decompressive craniotomy in space occupying cerebellar infarcts using brain-stem auditory evoked potentials (88) 261
- Kunde, V. and Treede, R.-D.
Topography of middle-latency somatosensory evoked potentials following painful laser stimuli and non-painful electrical stimuli (88) 280
- Kunesch, E., Knecht, S., Classen, J., Roick, H., Tycher, C. and Benecke, R.
Somatosensory evoked potentials (SEPs) elicited by magnetic nerve stimulation (88) 459
- Kurita-Tashima, S., see Tobimatsu, S. (88) 12
- Kutas, M., see Curran, T. (88) 188
- Landis, T., see Gütling, E. (88) 369
- Law, S.K., Rohrbaugh, J.W., Adams, C.M. and Eckardt, M.J.
Improving spatial and temporal resolution in evoked EEG responses using surface Laplacians (88) 309
- Lesser, R.P., see Urasaki, E. (88) 92
- Levesque, M.F., see Baumgartner, C. (88) 271
- Li, G., Elidan, J. and Sohmer, H.
The contribution of the lateral semicircular canal to the short latency vestibular evoked potentials in cat (88) 225
- Lindinger, G., see Baumgartner, C. (88) 271
- Liu, X., Branston, N.M. and Symon, L.
Early components of transcallosal responses in acute ischaemia of the corpus callosum (88) 220
- Loening-Baucke, V. and Yamada, T.
Cerebral potentials evoked by rectal distention in humans (88) 447
- Lombardi, M., see Ragazzoni, A. (88) 335
- Lovett, E., see Baldeweg, T. (88) 356
- Lüders, H., see Noachtar, S. (88) 435
- Macucci, M., see Ragazzoni, A. (88) 335
- Makeig, S., see Pantev, C. (88) 389
- Mansbach, A.L., see Deltenre, P. (88) 377
- Marcy, B., see Faux, S.F. (88) 32
- Mascalchi, M., see Ragazzoni, A. (88) 335
- Masuda, A., see Ponton, C.W. (88) 478
- Masuoka, L.K., see Seyal, M. (88) 20
- Matsubara, Y., see Ochikubo, F. (88) 397
- Mauguière, F., Broussolle, E. and Isnard, J.
Apomorphine-induced relief of the akinetic-rigid syndrome and early median nerve somatosensory evoked potentials (SEPs) in Parkinson's disease (88) 243
- Mauguière, F., see Bruyant, P. (88) 468
- Mavroudakakis, N., Brunko, E., Delberghe, X. and Zegers de Beyl, D.
Dissociation of P13-P14 far-field potentials: clinical and MRI correlation (88) 240
- Mavroudakakis, N., see Vandesteene, A. (88) 77
- McCarley, R.W., see Faux, S.F. (88) 32
- McCarthy, G. and Nobre, A.C.
Modulation of semantic processing by spatial selective attention (88) 210
- McCarthy, G., see Allison, T. (88) 343
- McGee, T., see Kraus, N. (88) 123
- McGee, T., see Sharma, A. (88) 64
- Micco, A., see Kraus, N. (88) 123
- Möller, A.R., see Szczepaniak, W.S. (88) 508
- Mondrow, E., see Faux, S.F. (88) 32

- Montoya, P., Schandry, R. and Müller, A.
Heartbeat evoked potentials (HEP): topography and influence of cardiac awareness and focus of attention (88) 163
- Morioka, T., Katsuta, T., Fujii, K., Kato, M. and Fukui, M.
Discrepancy between SEPs directly recorded from the dorsal column nuclei following upper and lower limb stimulation in patients with syringomyelia (88) 453
- Morrow, T.J., see Beydoun, A. (88) 173
- Müller, A., see Montoya, P. (88) 163
- Nagata, T., see Ochikubo, F. (88) 397
- Naito, H., see Hori, A. (88) 229
- Nakamura, M., Ozawa, N., Shinba, T. and Yamamoto, K.
CNV-like potentials on the cortical surface associated with conditioning in head-restrained rats (88) 155
- Nakayama-Hiromatsu, M., see Tobimatsu, S. (88) 12
- Neau, J.P., see Gil, R. (88) 182
- Nestor, P.G., see Faux, S.F. (88) 32
- Nicol, T., see Kraus, N. (88) 123
- Nicol, T., see Sharma, A. (88) 64
- Noachtar, S., Hashimoto, T. and Lüders, H.
Pattern visual evoked potentials recorded from human occipital cortex with chronic subdural electrodes (88) 435
- Nobre, A.C., see Allison, T. (88) 343
- Nobre, A.C., see McCarthy, G. (88) 210
- Norcia, A.M., see Tang, Y. (88) 323
- Ochikubo, F., Nagata, T., Yoshikawa, Y., Matsubara, Y., Kai, C. and Yamanouchi, Y.
Electroencephalogram and evoked potentials in the primate model of viral encephalitis (88) 397
- Ozawa, N., see Nakamura, M. (88) 155
- Pantev, C., Elbert, T., Makeig, S., Hampson, S., Eulitz, C. and Hoke, M.
Relationship of transient and steady-state auditory evoked fields (88) 389
- Pascual-Marqui, R.D. and Lehmann, D.
Comparison of topographic maps and the reference electrode: comments on two papers by Desmedt and collaborators (88) 530
- Pascual-Marqui, R.D. and Lehmann, D.
Topographic maps, source localization inference, and the reference electrode: comments on a paper by Desmedt et al. (88) 532
- Peachey, N.S., see Arakawa, K. (88) 143
- Penhune, V., see Faux, S.F. (88) 32
- Peterson, A., see Faux, S.F. (88) 32
- Pinto, F., see Ragazzoni, A. (88) 335
- Polich, J., see Vesco, K.K. (88) 302
- Pollak, S.D., see Faux, S.F. (88) 32
- Ponton, C.W., Don, M., Waring, M.D., Eggermont, J.J. and Masuda, A.
Spatio-temporal source modeling of evoked potentials to acoustic and cochlear implant stimulation (88) 478
- Portin, K., see Ahlfors, S.P. (88) 339
- Posner, M.I., see Curran, T. (88) 188
- Principi, N., see Brivio, L. (88) 28
- Pugh, K., see Baldeweg, T. (88) 356
- Purves, A.M. and Boyd, S.G.
Time-shifted averaging for laser evoked potentials (88) 118
- Ragazzoni, A., Amantini, A., Lombardi, M., Macucci, M., Mascalchi, M. and Pinto, F.
Electric and CO₂ laser SEPs in a patient with asymptomatic syringomyelia (88) 335
- Regard, M., see Güting, E. (88) 369
- Riccio, M., see Baldeweg, T. (88) 356
- Rieke, K., see Krieger, D. (88) 261
- Roessler, E., see Allison, T. (88) 343
- Rohrbaugh, J.W., see Law, S.K. (88) 309
- Roick, H., see Kunesch, E. (88) 459
- Rosolacci, T., see Gil, R. (88) 182
- Ryan, J.C., see Vesco, K.K. (88) 302
- Salvaggio, A., see Brivio, L. (88) 28
- Schandry, R., see Montoya, P. (88) 163
- Seyal, M., Browne, J.K., Masuoka, L.K. and Gabor, A.J.
Enhancement of the amplitude of somatosensory evoked potentials following magnetic pulse stimulation of the human brain (88) 20
- Sharma, A., Kraus, N., McGee, T., Carrell, T. and Nicol, T.
Acoustic versus phonetic representation of speech as reflected by the mismatch negativity event-related potential (88) 64
- Sharma, A., see Kraus, N. (88) 123
- Shen, J.F., see Beydoun, A. (88) 173
- Shenton, M.E., see Faux, S.F. (88) 32
- Shinba, T., see Nakamura, M. (88) 155
- Slimp, J.C.
Dermatome somatosensory evoked potentials at the cervical, thoracic, and lumbosacral levels: a response (88) 434
- Smulders, F.T.Y., see Kenemans, J.L. (88) 51
- Sohmer, H., see Li, G. (88) 225
- Soustiel, J.F., Hafner, H., Chistyakov, A.V., Guilburd, J.N., Zaaroor, M., Yussim, E. and Feinsod, M.
Monitoring of brain-stem trigeminal evoked potentials. Clinical applications in posterior fossa surgery (88) 255
- Spencer, D.D., see Allison, T. (88) 343
- Stygall, J., see Baldeweg, T. (88) 356
- Sutherling, W.W., see Baumgartner, C. (88) 271
- Symon, L., see Liu, X. (88) 220
- Szczepaniak, W.S. and Möller, A.R.
Interaction between auditory and somatosensory systems: a study of evoked potentials in the inferior colliculus (88) 508
- Tang, Y. and Norcia, A.M.
Improved processing of the steady-state evoked potential (88) 323
- Taylor, M.J.
Maturational changes in ERPs to orthographic and phonological tasks (88) 494
- Thomas, D.G., see Burkhart, M.A. (88) 42
- Tobimatsu, S., Kurita-Tashima, S., Nakayama-Hiromatsu, M., Akazawa, K. and Kato, M.
Age-related changes in pattern visual evoked potentials: differential effects of luminance, contrast and check size (88) 12
- Tokimura, T., see Urasaki, E. (88) 525
- Towell, A.D. and Boyd, S.G.
Sensory and cognitive components of the CO₂ laser evoked cerebral potential (88) 237
- Treede, R.-D., see Kunde, V. (88) 280
- Tucker, D.M., see Curran, T. (88) 188
- Tyercha, C., see Kunesch, E. (88) 459
- Uematsu, S., see Urasaki, E. (88) 92
- Urasaki, E., Tokimura, T., Yasukouchi, H., Wada, S.-i. and Yokota, A.
P30 and N33 of posterior tibial nerve SSEPs are analogous to P14 and N18 of median nerve SSEPs (88) 525
- Urasaki, E., Uematsu, S. and Lesser, R.P.
Short latency somatosensory evoked potentials recorded around the human upper brain-stem (88) 92
- Vandesteene, A., Mavroudakakis, N., Defevrimont, M., Brunko, E. and Zegers de Beyl, D.
Topographic analysis of the effects of isoflurane anesthesia on SEP (88) 77

- Vesco, K.K., Bone, R.C., Ryan, J.C. and Polich, J.
P300 in young and elderly subjects: auditory frequency and intensity effects (88) 302
- Wada, S.-i., see Urasaki, E. (88) 525
- Waring, M.D., see Ponton, C.W. (88) 478
- Wilson, M.J., see Dobie, R.A. (88) 516
- Wimalaratna, S., see Furlong, P.L. (88) 72
- Yamada, T., see Loening-Baucke, V. (88) 447
- Yamaguchi, S., Globus, H. and Knight, R.T.
P3-like potential in rats (88) 151
- Yamamoto, K., see Nakamura, M. (88) 155
- Yamanouchi, Y., see Ochikubo, F. (88) 397
- Yasuhara, A., see Hori, A. (88) 229
- Yasuhara, M., see Hori, A. (88) 229
- Yasukouchi, H., see Urasaki, E. (88) 525
- Yingling, C.D., see Becker, D.E. (88) 290
- Yingling, C.D., see Blenner, J.L. (88) 131
- Yokota, A., see Urasaki, E. (88) 525
- Yoshikawa, Y., see Ochikubo, F. (88) 397
- Yussim, E., see Soustiel, J.F. (88) 255
- Zaaroor, M., see Soustiel, J.F. (88) 255
- Zai, L., see Gil, R. (88) 182
- Zegers de Beyl, D., see Mavroudakakis, N. (88) 240
- Zegers de Beyl, D., see Vandesteene, A. (88) 77
- Zeitlhofer, J., see Baumgartner, C. (88) 271
- Zhang, Z. and Jewett, D.L.
Insidious errors in dipole localization parameters at a single time-point due to model misspecification of number of shells (88) 1

Index of Subjects

VOLUME 88, 1993 (Evoked Potentials)

(Abstracts from Society Proceedings are not included)

- Acoustic vs. phonetic ERPs, 64
- Action potentials
 - far-field potential production, 421
- Afferent fibers
 - topography of A δ and A β fiber SEPs, 280
- Age
 - and pattern VEPs, 12
 - P300, and stimulus factors, 302
- Akinetic-rigid syndrome
 - on-off fluctuations and SEPs, 243
- Anesthesia
 - effects of isoflurane on SEP, 77
- Apomorphine
 - on-off fluctuations and SEPs in parkinsonism, 243
- Ary correction
 - errors in dipole localization parameters, 1
- Asymmetries of ERP topography in schizophrenia, 32
- Attention
 - ERP measure of attention in depression, 42
 - ERPs and selection of visual stimuli, 51
 - ERPs in a spatial cueing task, 408
 - heartbeat EP and cardiac perception, 163
 - P3 and the CO₂ laser EP, 237
 - P3-like potential in rats, 151
 - semantic processing and spatial attention, 210
 - target side and P300 scalp topography, 468
 - variability of laser EPs, 173
- Auditory and visual ERPs in HIV infection, 356
- Auditory evoked fields, 389
- Auditory evoked potentials
 - and inferior colliculus, 229, 508
 - and multiple sclerosis, 182
 - auditory/somatosensory interaction, 508
 - improving resolution with Laplacian derivation, 309
 - inferior colliculus and steady-state AEPs, 229
 - mismatch negativity in children, 123
 - modality specificity of augmenting/reducing, 131
 - source modeling in cochlear implant subjects, 478
 - transient and steady-state AEFs, 389
- Auditory stimuli
 - P300, age and stimulus factors, 302
- Augmenting-reducing response and modality specificity, 131
- Average
 - controversy on the average reference electrode, 530, 534
 - time-shifted averaging for laser EPs, 118
- BAEPs, *see* Brain-stem auditory evoked potentials
- Balloon distention of the rectum, 447
- Brain-stem
 - SEPs by median nerve stimulation, 92
 - trigeminal EP monitoring, 255
- Brain-stem auditory evoked potentials
 - in space-occupying cerebellar infarctions, 261
 - interpeak latency I–V maturation, 28
 - plus-minus average and BAEP to alternating clicks, 377
 - viral encephalitis in squirrel monkey, 397
- Cardiac perception and heartbeat EP, 163
- Cat
 - lateral canal and vestibular EP generators, 225
 - spatial frequency functions from VEPs, 143
- Categorization
 - acoustic vs. phonetic ERPs, 64
- Cerebellar lesions and BAEPs, 261
- Cerebral ischemia and transcallosal responses, 220
- Cervical N13 in asymptomatic syringomyelia, 335
- Childhood
 - interpeak latency I–V maturation in the first years, 28
 - mismatch negativity in children, 123
- Cholinergic mechanisms
 - spatial frequency functions from cat VEPs, 143
- Click polarity, plus-minus average and BAEPs, 377
- Cochlea
 - AEP source modeling in cochlear implant subjects, 478
 - plus-minus average and BAEP to alternating clicks, 377
- Cognitive deficits
 - in HIV infection, 356
 - in multiple sclerosis, 182
- Coherence analysis in the frequency domain, 516
- Colors, *see* Vision
- Coma and dissociation of frontal and parietal SEPs, 369
- Contingent negative variation
 - CNV-like potential in rats, 155
 - ERPs in a spatial cueing task, 408
- Contrast sensitivity and aging, 12
- Corpus callosum
 - transcallosal responses in ischemia, 220
- Cortex
 - P22-N31 SEP in unilateral cerebral lesion, 72
- Cortical stimulation
 - color processing in human visual cortex, 343
- Decompressive surgery and BAEPs, 261
- Depression
 - auditory ERPs and multiple sclerosis, 182
 - ERP measure of attention in depression, 42
- Depth recording
 - color processing in human visual cortex, 343
 - upper brain-stem SEPs by median nerve stimulation, 92
- Dermatome SEPs, 432, 434
- Desynchronization
 - dorsal column SEPs in syringomyelia, 453
- Digital filtering and steady-state EP, 323
- Dipole localization
 - AEP source modeling in cochlear implant subjects, 478
 - errors in dipole localization parameters, 1
 - far-field potential production, 421
 - somatotopy in scalp EEG, 271

Direct recording of tibial and median nerve SEPs, 525

Discrete Fourier transform analysis

– improved processing of steady-state EP, 323

Discrimination

– mismatch negativity in children, 123

Dorsal column SEPs in syringomyelia, 453

Drowsiness and variability of laser EPs, 173

EcoG

– chronic subdural recording of pattern VEPs, 435

EEG

– controversy on the average reference electrode, 530, 534

– somatotopy in scalp EEG, 271

– viral encephalitis in squirrel monkey, 397

Elderly, *see* Age

Electroretinogram, 83

Encephalitis in squirrel monkey, 397

Endogenous potentials

– SEPs in a forward reaction time task, 105

Epilepsy

– somatotopy in scalp EEG, 271

– upper brain-stem SEPs by median nerve stimulation, 92

Event-related potentials

– acoustic vs. phonetic ERPs, 64

– and selection of visual stimuli, 51

– auditory and visual ERPs in HIV infection, 356

– auditory ERPs and multiple sclerosis, 182

– ERP measure of attention in depression, 42

– ERP topography in schizophrenia, 32

– in a spatial cueing task, 408

– mismatch negativity in children, 123

– P3-like potential in rats, 151

– P300, age and stimulus factors, 302

– semantic processing and spatial attention, 210

– target side and P300 scalp topography, 468

– to orthographic and phonological tasks, 494

– variability of laser EPs, 173

Evoked potentials

– auditory, *see* Auditory evoked potentials

– auditory/somatosensory interaction, 508

– BAEPs, *see* Brain-stem auditory evoked potentials

– brain-stem trigeminal EP monitoring, 255

– CNV-like potential in rats, 155

– errors in dipole localization parameters, 1

– far-field potential production, 421

– heartbeat EP and cardiac perception, 163

– improved processing of steady-state EP, 323

– improving EEG resolution, 309

– lateral canal and cat vestibular EP generators, 225

– objective response detection in the frequency domain, 516

– pain evoked potential components, 290

– P3 and the CO₂ laser EP, 237

– rectal evoked cerebral potentials, 447

– somatosensory, *see* Somatosensory evoked potentials

– stimulation rate and signal-to-noise ratio, 339

– time-shifted averaging for laser EPs, 118

– visual, *see* Visual evoked potentials

Extralemniscal system and inferior colliculus, 508

Far-field potentials, 240, 421

First year of life and interpeak latency I–V maturation, 28

Frequency domain

– objective response detection, 516

Frontal and parietal SEPs in severe head injury, 369

Functional somatotopy in scalp EEG, 271

Gamma band

– transient and steady-state AEFs, 389

Generators

– dissociation of P13–P14 far-field potentials, 240

– errors in dipole localization parameters, 1

– lateral canal and cat vestibular EP generators, 225

Geniculate body and steady-state AEPs, 229

Glasgow Outcome Scale in severe head injury, 369

Hand somatotopy in scalp EEG, 271

Head injury and dissociation of frontal and parietal SEPs, 369

Heartbeat EP and cardiac perception, 163

HIV infection, auditory and visual ERPs, 356

Hotelling T^2 test

– objective response detection in the frequency domain, 516

Immunodeficiency virus, *see* HIV infection

Infants *see* Childhood

Infarction of cerebellum, and BAEPs, 261

Inferior colliculus

– and auditory/somatosensory interaction, 508

– and steady-state AEPs, 229

Intensive care

– brain-stem trigeminal EP monitoring, 255

Interpeak latency I–V maturation in the first years, 28

Interstimulus interval and signal-to-noise ratio, 339

Intraoperative monitoring

– BAEPs in space-occupying cerebellar infarctions, 261

– brain-stem trigeminal EP monitoring, 255

Ischemia and transcallosal responses, 220

Isoflurane effects on SEP, 77

Language processing

– acoustic vs. phonetic ERPs, 64

– ERPs to orthographic and phonological tasks, 494

– mismatch negativity in children, 123

– semantic processing and spatial attention, 210

Laplacian derivation and improvement of EEG resolution, 309

Laser

– absent N13 in asymptomatic syringomyelia, 335

– P3 and the CO₂ laser EP, 237

– time-shifted averaging for laser EPs, 118

– topography of A δ and A β fiber SEPs, 280

– variability of laser EPs, 173

Latency intensity functions

– plus-minus average and BAEP to alternating clicks, 377

Late positive complex

– N400 topography and semantic priming, 188

Lateralization

– target side and P300 scalp topography, 468

Lesions

– BAEPs in space-occupying cerebellar infarctions, 261

– dissociation of P13–P14 far-field potentials, 240

– P22–N31 SEP in unilateral cerebral lesion, 72

– SEPs in severe head injury, 369

Lexical access

– N400 topography and semantic priming, 188

Luminance, pattern VEPs and aging, 12

Magnetic resonance imaging

– dissociation of P13–P14 far-field potentials, 240

Magnetic stimulation

– magnetic pulse stimulation of the brain, 20

– SEPs to magnetic nerve stimulation, 459

Magnetoencephalogram

– stimulation rate and signal-to-noise ratio, 339

– transient and steady-state AEFs, 389

Magnitude-squared coherence

– objective response detection in the frequency domain, 516

Mapping, *see* Topographic mapping

Maturation

- ERPs to orthographic and phonological tasks, 494
- of interpeak latency I-V in the first years, 28

Median nerve

- comparison of tibial and median nerve SEPs, 525
- dorsal column SEPs in syringomyelia, 453
- magnetic pulse stimulation of the brain, 20
- on-off fluctuations and SEPs in parkinsonism, 243
- upper brain-stem SEPs, 92

Methods

- errors in dipole localization parameters, 1

Midlatency responses

- inferior colliculus and steady-state AEPs, 229
- topography of A δ and A β fiber SEPs, 280

Mismatch negativity

- acoustic vs. phonetic ERPs, 64
- in children, 123

Modeling

- AEP source modeling in cochlear implant subjects, 478
- errors in dipole localization parameters, 1
- far-field potential production, 421
- improved processing of steady-state EP, 323
- somatotopy in scalp EEG, 271

Monitoring

- BAEPs in space-occupying cerebellar infarctions, 261
- chronic subdural recording of pattern VEPs, 435
- of brain-stem trigeminal EP, 255

Monkey

- viral encephalitis in squirrel monkey, 397

Motor deficit

- on-off fluctuations and SEPs in parkinsonism, 243

Motor preparation, see Preparation to movement

Multiple sclerosis and auditory ERPs, 182

Myotonic dystrophy

- absent N13 in asymptomatic syringomyelia, 335

Nd wave

- ERP measure of attention in depression, 42

Nerve

- comparison of tibial and median nerve SEPs, 525
- SEPs to magnetic nerve stimulation, 459

Neuroleptics

- ERP topography in schizophrenia, 32

Neuropathy

- SEPs to magnetic nerve stimulation, 459

Normal human subjects

- acoustic vs. phonetic ERPs, 64
- aging and pattern VEPs, 12
- ERPs and selection of visual stimuli, 51
- heartbeat EP and cardiac perception, 163
- magnetic pulse stimulation of the brain, 20
- modality specificity of augmenting/reducing, 131
- N400 topography and semantic priming, 188
- N95 amplitude of pattern electroretinogram, 83
- pain evoked potential components, 290
- plus-minus average and BAEP to alternating clicks, 377
- P3 and the CO₂ laser EP, 237
- P300, age and stimulus factors, 302
- rectal evoked cerebral potentials, 447
- semantic processing and spatial attention, 210
- SEPs in a forwarned reaction time task, 105
- time-shifted averaging for laser EPs, 118
- topography of A δ and A β fiber SEPs, 280
- transient and steady-state AEPs, 389
- variability of laser EPs, 173

Novelty condition and P3-like potential in rats, 151

N18

- upper brain-stem SEPs by median nerve stimulation, 92

N30

- on-off fluctuations and SEPs in parkinsonism, 243

N33

- comparison of tibial and median nerve SEPs, 525

N400

- N400 topography and semantic priming, 188

- semantic processing and spatial attention, 210

- N95 amplitude of pattern electroretinogram, 83

Objective response detection in the frequency domain, 516

Occipital cortex and color processing, 343

Oddball paradigm

- P3 and the CO₂ laser EP, 237

- On-off fluctuations and SEPs in parkinsonism, 243

- Optic neuritis and N95 amplitude of pattern ERG, 83

Orientation

- ERPs and selection of visual stimuli, 51

- P3-like potential in rats, 151

Orthographic task, 494

Outcome of severe head injury, 369

Pain

- absent N13 in asymptomatic syringomyelia, 335

- pain evoked potential components, 290

- topography of A δ and A β fiber SEPs, 280

- variability of laser EPs, 173

- Parkinsonism, on-off fluctuations and SEPs, 243

- Parietal and frontal SEPs in severe head injury, 369

Pattern

- aging and pattern VEPs, 12

- N95 amplitude of pattern electroretinogram, 83

- Perceptual processes and heartbeat EP, 163

- Peristriae cortex and color processing, 343

Phase coherence

- objective response detection in the frequency domain, 516

Phonological task, 494

Physostigmine

- spatial frequency functions from cat VEPs, 143

- Plus-minus average and BAEP to alternating clicks, 377

Posterior fossa

- brain-stem trigeminal EP monitoring, 255

- Preparation to movement, 105

P30

- comparison of tibial and median nerve SEPs, 525

P300

- age and stimulus factors, 302

- and the CO₂ laser EP, 237

- auditory and visual ERPs in HIV infection, 356

- auditory ERPs and multiple sclerosis, 182

- ERP topography in schizophrenia, 32

- pain evoked potential components, 290

- P3-like potential in rats, 151

- semantic processing and spatial attention, 210

- target side and P300 scalp topography, 468

Rabbit

- inferior colliculus and steady-state AEPs, 229

Radial nerve

- topography of A δ and A β fiber SEPs, 280

Rat

- CNV-like potential, 155

- P3-like potential, 151

Reaction time

- SEPs in a forwarned reaction time task, 105

Readiness potentials in a spatial cueing task, 408

Reading

– ERPs to orthographic and phonological tasks, 494

– N400 topography and semantic priming, 188

Rectal evoked cerebral potentials, 447

Reference electrode, a controversy, 530, 534

Response detection in the frequency domain, 516

Retinal ganglion cell and pattern electroretinogram, 83

Scalp topography of A δ and A β fiber SEPs, 280

Schizophrenia and ERP topography, 32

Selection negativity, 51

Selective attention, *see* Attention

Semantic priming

– and N400 topography, 188

– and spatial attention, 210

Semicircular canal and cat vestibular EP generators, 225

Sensory component

– P3 and the CO₂ laser EP, 237

Sensory gating

– SEPs in a forwarned reaction time task, 105

Sensory modulation

– modality specificity of augmenting/reducing, 131

Sex differences

– interpeak latency I–V maturation in the first years, 28

Short latency SEP components in a reaction time task, 105

Signal processing

– time-shifted averaging for laser EPs, 118

Signal-to-noise ratio

– and stimulation rate, 339

– improved processing of steady-state EP, 323

– plus-minus average and BAEP to alternating clicks, 377

Sleep

– variability of laser EPs, 173

Slow potential

– CNV-like potential in rats, 155

Somatosensory cortex

– P22-N31 SEP in unilateral cerebral lesion, 72

– SEPs to magnetic nerve stimulation, 459

– somatotopy in scalp EEG, 271

– topography of A δ and A β fiber SEPs, 280

Somatosensory evoked potentials

– absent N13 in asymptomatic syringomyelia, 335

– comparison of tibial and median nerve SEPs, 525

– dermatomal SEPs, 432, 434

– dissociation of frontal and parietal SEPs, 369

– dissociation of P13-P14 far-field potentials, 240

– dorsal column SEPs in syringomyelia, 453

– effects of isoflurane anesthesia, 77

– in a forwarned reaction time task, 105

– inferior colliculus and auditory/somatosensory interaction, 508

– in severe head injury, 369

– magnetic pulse stimulation of the brain, 20

– on-off fluctuations in parkinsonism, 243

– pain evoked potential components, 290

– P22-N31 SEP in unilateral cerebral lesion, 72

– target side and P300 scalp topography, 468

– to magnetic nerve stimulation, 459

– topography of A δ and A β fiber SEPs, 280

– upper brain-stem SEPs by median nerve stimulation, 92

Somatotopy in scalp EEG, 271

Source localization

– AEP source modeling in cochlear implant subjects, 478

– controversy on the average reference electrode, 530, 534

– improving EEG resolution with Laplacian derivation, 309

Spatial cueing task and ERPs, 408

Spatial distribution, *see* Topographic mapping

Spatial frequency

– aging and pattern VEPs, 12

– spatial frequency functions from cat VEPs, 143

Spatiotemporal analysis

– AEP source modeling in cochlear implant subjects, 478

Speech, *see* Language

Spinal cord and dermatomal SEPs, 432, 434

Spino-medullary lesion and P13-P14 far-field potentials, 240

Steady-state response

– improved processing of EP, 323

– inferior colliculus and AEPs, 229

– transient and steady-state AEPs, 389

Stimulus rate and signal-to-noise ratio, 339

Subdural recording of pattern VEPs, 435

Swept stimulus method

– spatial frequency functions from cat VEPs, 143

Syringomyelia

– absent N13 in asymptomatic syringomyelia, 335

– dorsal column SEPs, 453

Temporal lobe

– ERP topography in schizophrenia, 32

Tibial nerve

– comparison of tibial and median nerve SEPs, 525

– dorsal column SEPs in syringomyelia, 453

Time domain

– improving EEG resolution with Laplacian derivation, 309

Topographic mapping

– auditory and visual ERPs in HIV infection, 356

– CNV-like potential in rats, 155

– controversy on the average reference electrode, 530, 534

– effects of isoflurane anesthesia on SEP, 77

– ERP topography in schizophrenia, 32

– improving EEG resolution with Laplacian derivation, 309

– N400 topography and semantic priming, 188

– target side and P300 scalp topography, 468

Transcallosal response in ischemia, 220

Trigeminal EP monitoring, 255

Vertex potentials

– ERPs and selection of visual stimuli, 51

Vestibular responses and lateral canal, 225

Vigilance and variability of laser EPs, 173

Viral encephalitis in squirrel monkey, 397

Visual cortex and color processing, 343

Visual ERPs in HIV infection, 356

Visual evoked potentials

– aging and pattern VEPs, 12

– chronic subdural recording of pattern VEPs, 435

– color processing in human visual cortex, 343

– modality specificity of augmenting/reducing, 131

– N400 topography and semantic priming, 188

– spatial frequency functions from cat VEPs, 143

– viral encephalitis in squirrel monkey, 397

Visual stimuli and ERPs, 51

Visuospatial orienting

– ERPs in a spatial cueing task, 408

Volume conduction

– far-field potential production, 421

Wave form

– auditory and visual ERPs in HIV infection, 356

